

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10/28/82	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Gobernador		Formation Pictured Cliffs	
Completion Date 10-09-82		Total Depth 5932'	Plug Back TD 3710'
Elevation 6638'		Farm or Lease Name San Juan 30-5 Unit	
Cy. 600	Wt. 20.0	d 6.456	Set At 3920'
4.500	10.5	4.052	3732'-5939'
Inq. Size	Wt.	d	Set At
1.660	2.33	1.380	3647'
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At	
Gas - Multiple Completion		3710'	
Producing Thru Tubing		Reservoir Temp. °F 8	Mean Annual Temp. °F 12.0
Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g est. .620	% CO ₂
		% N ₂	% H ₂ S
		Positive Choke	
		Meter Run	Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	Shut-in Pressure						1166		1166		
1.	2"	X	.750"	106		50°	106		789		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		118	1.010	1.270	1.013	1473
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1178	P _c ² 11387684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8600$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6946$
NO. 1	P _t ²	P _w	P _w ²
1		801	641601
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2496$	
---	--

Absolute Open Flow 2496	Mcf/d @ 15.025	Angle of Slope 0	Slope, n .85
-------------------------	----------------	------------------	--------------

Remarks: Produced medium mist of water. Vented 184 MCF.	
---	--

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: BJB
-------------------------	----------------------------------	----------------------------------	--------------------